Fusion 550R

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Model	Fusion 550R				
Output Power	550 Watts (peak), 500 Watts (continuous)				
Dimensions	160L x 150W x 86H mm (including fan)				
Efficiency	82 - 86%				
PFC	Active 99%				
Fan	80mm ARCTIC F8 Pro				
Fan Speed	700 - 2,000 RPM by Intelligent Controller				
Noise Level	0.08 - 0.3 Sone / 10 -20 dB(A)				
Power Good Signal	100 - 500 mS				
Hold Up Time	>17 mS				
MTBF	100,000 hours at 25°C ambient temperature				
Safety	CUL (Level 6) / CE / CB				
Protection	Over-Voltage Protection (OVP) / Over-Power Protection (OPP) / Over-Current Protection (OCP) / Short Circuit Protection (SCP)				
Input					
Input Voltage	AC 200 - 240V (Auto Range)				
Input Current	3.0A @ 230 VAC				
Input Frequency Range	47 - 63 Hz				
Output					
Peak Output	550 Watts				
Combined Continuous Output	500 Watts				
Output Voltage	Load Range		Regulation	Ripple & Noise	Total Output
	Min	Max			
+3.3V	0.5A	24A	+/- 5%	50mV	3.3V+5V combined 130W
+5V	0.3A	24A	+/- 5%	50mV	3.3V+5V combined 130W
+12V1	1A	17A	+/- 5%	120mV	408W
+12V2	1A	17A	+/- 5%	120mV	
-12V	0A	0.8A	+/- 10%	120mV	9.6W
+5Vsb	0A	2.5A	+/- 5%	50mV	12.5W
+12V (case fan)	2 x 0.3A				
Environment					
Operating Temperature	0°C - 50°C				
Operating Humidity	20% - 80%				
Storage Temperature	-40°C - 85°C				
Storage Humidity	10% - 95%				

Fusion 550R

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ECO 80

Main Features

- 550 Watts maximum output power, ATX 2.2
- 82 - 86% efficiency; 99% active PFC
- 80mm ARCTIC F8 Pro fan
- Intelligent fan control - 700 to 2,000 RPM
- Unique case fan control for better case ventilation
- Over-Power, Over-Current, Over-Voltage, Short Circuit protection
- SLI and CrossFire compatible, 4 x PCIe
- Bulk version is also available

3 Year warranty

ARCTIC COOLING

Swiss Low Noise Cooling Solution

www.arctic-cooling.com

MK00000-FLY05-B01

Fusion 550R

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550W Output Power

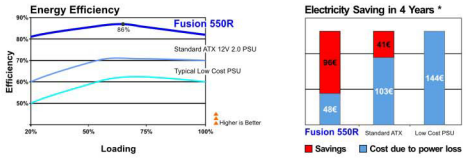
Powerful PSU

With a maximum output power of 550 Watts (shut down at 600 Watts), the Fusion 550R is suitable for gamers and power users.

Efficient

Extremely high efficiency: 82 – 86%

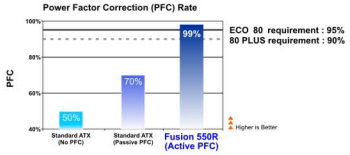
As an eco-friendly PSU and following the 80 PLUS specification, the Fusion 550R accomplishes up to 86% efficiency. It reduces power consumption and saves you approximately 100€* electricity costs.



Reduce Power Loss

99% PFC

With 99% active Power Factor Correction (PFC), the Fusion 550R delivers clean and reliable power which reduces power loss in the network and thus, saves electricity costs.



ARCTIC F8 Pro

Quiet cooling by ARCTIC F8 Pro fan

As a low noise cooling solutions provider, ARCTIC COOLING excels in fan and airflow design that balances cooling performance and noise level.

Patents : DE 20307981, US 7101149

* Based on : 200 d/y, 4 h/d full load at 0.15 €/kWh

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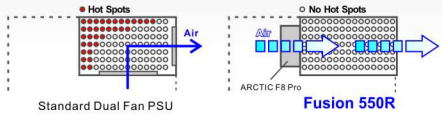
Cooling System

No hot spots

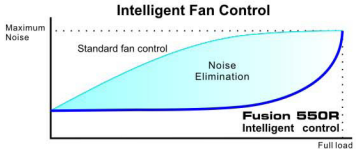
Unlike other PSU fans, after installation, the PSU fan ARCTIC F8 Pro is located inside the PC case rather than at the rear wall. This lowers the noise level and ensures no hot spots occur.



Low noise

Quiet operation

Optimises fan speed according to temperature and load. As a result, the fan operates at the lowest noise level possible while providing sufficient cooling performance.



EXTRA Fan Control

Case fan control

Based on temperature and load, the programmed processor controls two case fans (2 X 0.3A max) in order to keep the noise level of the complete system as low as possible.

Reliable Fusion 550R Safe Save & Reliable

Safe and reliable

Over-Power, Over-Voltage, Over-Current and Short Circuit Protection guarantees maximum safety for your system.

ECO 80

ECO 80

Introduced by ARCTIC COOLING, the ECO 80 requires 80% or above energy efficiency at 20% to 100% of rated output. Products will also have to achieve over 95% PFC.